freihand\_$SPLIT\_coco.json

|-- ‘images’: [

{‘id’: image id,

‘file\_name’: image file name,

‘width’: image width,

‘height’: image height,

‘db\_idx’: data id,

‘mode\_idx’: index of [‘gs’, ‘hom’, ‘sample’, ‘auto’] (definition of the four modes are in FreiHAND paper or git repo. this becomes 0 for the evaluation split following FreiHAND evaluation protocol.),

‘mode’: one of [‘gs’, ‘hom’, ‘sample’, ‘auto’] (this becomes ‘gs’ for the evaluation split following FreiHAND evaluation protocol),

},

…,

{same dict}

]

|-- ‘annotations’: [

{‘id’: annotation id,

‘image\_id’: id of image where this annotation belongs to,

‘bbox’: bounding box coordinates (xmin, ymin, width, height. for the evaluation split, I used [detectron2 repo](https://github.com/facebookresearch/detectron2) to obtain this.)

},

…,

{same dict}

]

freihand\_$SPLIT\_data.json

|-- db\_idx: {

‘cam\_param’: {

‘focal’: focal lengths in x- and y-axis (intrinsic. pixel unit.),

‘princpt’: principal point coordinates in x- and y-axis (intrinsic. pixel unit.)

},

‘mano\_param’: {

‘pose’: 48-dimensional mano pose vector (theta),

‘shape’: 10-dimensional mano shape vector (beta)

},

‘joint\_3d’: 21x3 joint coordinates (MANO joint set. meter unit.) from mesh,

‘scale’: groundtruth scale provided from FreiHAND

}